



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

THE ADMINISTRATOR

July 10, 2017

The Honorable Mike R. Pence
President of the Senate
United States Senate
Washington, D.C. 20510

Dear Mr. President:

I am pleased to submit the enclosed report titled, "FY 2016 Superfund Five-Year Review Report to Congress," in accordance with the requirements of Section 121(c) of the Comprehensive Environmental Response, Compensation and Liability Act.

If you have questions please contact me, or your staff may contact Troy M. Lyons, Associate Administrator for Congressional and Intergovernmental Relations at Lyons.Troy@epa.gov or (202) 564-4987.

Respectfully yours,

A handwritten signature in black ink, which appears to read "E. Scott Pruitt", is written over the typed name. The signature is stylized with a large, sweeping initial "E" and a long horizontal stroke extending to the right.

E. Scott Pruitt

Enclosure

FY 2016 REPORT TO CONGRESS SUPERFUND FIVE-YEAR REVIEWS

PURPOSE:

Consistent with CERCLA section 121(c), Executive Order 12580 and the National Contingency Plan, the U.S. Environmental Protection Agency (EPA) is responsible for reviewing Superfund remedial actions at least every five years where hazardous substances, pollutants, or contaminants will remain on site above levels that allow for unlimited use and unrestricted exposure. EPA is also responsible for preparing a report to Congress on these reviews.

BACKGROUND:

Section 121(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, states:

"If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each 5 years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section 9604 or 9606 of the Title, the President shall take or require such action."

CERCLA also requires that EPA report to Congress information regarding these sites for which the reviews are required. This report fulfills that requirement by providing a list of sites, information about sites where additional work is required, and contacts for additional information.

FINDINGS:

Tables 1 and 2 provide a summary of five-year reviews conducted for non-Federal facility sites and Federal facility National Priorities List (NPL) sites and respective protectiveness determinations, including the following:

- Non-Federal facility reviews, due in Fiscal Year (FY) 2016 or prior fiscal years, currently completed;
- Non-Federal facility reviews due in FY 2016 or prior fiscal years, pending completion;
- Federal facility reviews due in FY 2016, currently completed; and
- Federal facility reviews due in FY 2016 or prior fiscal years, pending completion.

For non-Federal facility sites, a total of 201 sites required five-year reviews in FY 2016. Of the reviews due in FY 2016, 197 are now complete, while four remain pending completion. Another nine reviews due in prior fiscal years were also completed in FY 2016, bringing the total number of non-Federal site five-year reviews completed in FY 2016 to **206** (Table 1).

For Federal facility NPL sites, a total of 42 sites required five-year reviews in FY 2016. Of the reviews due in FY 2016, 38 are now complete, while four remain pending completion. No additional reviews

due in prior fiscal years were completed, meaning that the total number of Federal facility NPL site five-year reviews completed in FY 2016 is **38** (Table 1).

For non-Federal facility sites, three reviews due in a prior fiscal year remain pending and EPA is working to complete them. For Federal facility NPL sites, one review due in a prior fiscal year is pending. EPA expects that all pending reviews will be completed in the near future (Table 1).

In all, the total number of five-year reviews completed for both non-Federal facility and Federal facility NPL sites was **244**. Based on the reviews, EPA has determined that seven sites (or portions of the sites) were “not protective” and that 39 sites were “protectiveness deferred” (Table 2). Recommendations to do additional work or study for each of these sites are tracked in the Superfund Enterprise Management System (SEMS) and, semi-annually, EPA headquarters monitors the progress in implementing these recommendations to resolve protectiveness-related issues at all sites.

Table 1: FYR Completion Status

Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2016			
FYR Completion Status	Number of FYRs		
	Non-FF	FF	Total
Total FYRs Due in FY16	201	42	243
Total FYRs Completed in FY16	206	38	244
FYRs Due in FY16, Completed in FY16	197	38	235
FYRs Due in other FYs, Completed in FY16	9	0	9
Total FYRs Pending Completion at the end of FY16	7	5	12
FYRs Due in FY16, Pending Completion	4	4	8
FYRs Due in other FYs, Pending Completion	3	1	4

Table 2: FYR Protectiveness Determination

Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2016			
Protectiveness Determination^a	Number of FYRs		
	Non-FF	FF	Total
Protective	62	7	69
Short-Term Protective	94	17	111
Will Be Protective	15	3	18
Protectiveness Deferred	28	11	39
Not Protective	7	0	7
Total	206	38	244

^a Explanations of terms used in this table are included in Attachment 3.

Summary copies of all five-year reviews, including those contained in this report, can be accessed publicly via the national Superfund web page (<http://www.epa.gov/superfund/search-superfund-five-year-reviews>). These reports contain detailed information regarding the effectiveness of the site remedy and assess whether human and/or ecological exposures are occurring. The information in these reports

includes the protectiveness determinations that are ultimately selected and are reported in the associated table for each site. Additional details on the five-year reviews summarized in this report are provided in the attachments, including a list of statutory, policy and discretionary¹ five-year reviews that were conducted for non-Federal facility sites and Federal facility NPL sites.

For additional information on any of the five-year reviews identified in this report, please contact the Office of Superfund Remediation and Technology Innovation at (703) 603-8960, or the Superfund Call Center at (703) 412-9810 or (800) 424-9346.

Attachments (3)

¹ As further discussed in EPA's Comprehensive Five Year Review Guidance (2001, OSWER 9355.7-03B-P), statutory reviews are carried out if both of the following conditions are true: 1) Upon completion of the remedial action, hazardous substances, pollutants, or contaminants will remain on site; and 2) the Record of Decision (ROD) for the site was signed on or after October 17, 1986, (effective date of the Superfund Amendments and Reauthorization Act – SARA) and the remedial action was selected under CERCLA §121. Policy reviews are carried out for the following types of actions: 1) a pre- or post-SARA remedial action that, upon completion, will not leave hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposure but requires five years or more to complete; 2) a pre-SARA remedial action that leaves hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposures; or 3) a removal-only site on the NPL where a removal action leaves hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposure and where no remedial action has taken or will take place. Regions may also carry out a discretionary review, which is not required by the statute, but may be completed at the Region's discretion to help ensure the protectiveness of the remedy.

Attachment 1

FY 2016 Superfund Five-Year Review Report to Congress FYRs at Non-Federal Facility Sites

Non-Federal Facility FYRs Completed in FY16						
Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	CT	DURHAM MEADOWS	Statutory	09/28/2016	2016	Protective
01	ME	EASTERN SURPLUS	Statutory	09/28/2016	2016	Short-Term Protective
01	ME	CALLAHAN MINING CORP	Statutory	04/18/2016	2016	Will be Protective
01	NH	COAKLEY LANDFILL	Statutory	09/26/2016	2016	Protectiveness Deferred
01	NH	SAVAGE MUNICIPAL WATER SUPPLY	Policy	09/14/2016	2016	Short-Term Protective
02	NJ	HIGGINS DISPOSAL	Policy	05/20/2016	2016	Protective
02	NJ	LANDFILL & DEVELOPMENT CO.	Statutory	08/05/2016	2016	Protective
02	NJ	LANG PROPERTY	Policy	06/30/2016	2015	Protective
02	NJ	MONTGOMERY TOWNSHIP HOUSING DEVELOPMENT	Policy	09/14/2016	2015	Protective
02	NJ	ROCKY HILL MUNICIPAL WELL	Policy	09/14/2016	2015	Protective
02	NJ	U.S. RADIUM CORP.	Policy	05/09/2016	2016	Protective
02	NJ	SYNCON RESINS	Statutory	09/20/2016	2016	Protectiveness Deferred
02	NJ	UNIVERSAL OIL PRODUCTS (CHEMICAL DIVISION)	Statutory	09/27/2016	2016	Protectiveness Deferred
02	NJ	BURNT FLY BOG	Statutory	06/24/2016	2016	Short-Term Protective
02	NJ	DENZER & SCHAFER X-RAY CO.	Policy	09/22/2016	2016	Short-Term Protective
02	NJ	DIAMOND ALKALI CO.	Statutory	06/23/2016	2016	Short-Term Protective
02	NJ	WILLIAMS PROPERTY	Policy	09/21/2016	2016	Short-Term Protective
02	NJ	VINELAND CHEMICAL CO., INC.	Discretionary	09/26/2016	2016	Will be Protective
02	NY	COMPUTER CIRCUITS	Policy	09/15/2016	2016	Protective
02	NY	CORTESE LANDFILL	Statutory	09/09/2016	2016	Protective
02	NY	ENDICOTT VILLAGE WELL FIELD	Statutory	07/22/2016	2016	Protective
02	NY	HOOVER (102ND STREET)	Statutory	09/26/2016	2016	Protective
02	NY	HOOVER (HYDE PARK)	Statutory	08/23/2016	2016	Protective
02	NY	JOHNSTOWN CITY LANDFILL	Statutory	09/09/2016	2016	Protective
02	NY	JONES SANITATION	Statutory	09/09/2016	2016	Protective
02	NY	NIAGARA MOHAWK POWER CORP. (SARATOGA SPRINGS PLANT)	Statutory	09/15/2016	2016	Protective
02	NY	ONONDAGA LAKE	Statutory	05/20/2016	2016	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
02	NY	PFOHL BROTHERS LANDFILL	Statutory	06/30/2016	2016	Protective
02	NY	REYNOLDS METALS CO	Statutory	08/16/2016	2016	Protective
02	NY	SMITHTOWN GROUND WATER CONTAMINATION	Policy	06/23/2016	2016	Protective
02	NY	TRI-CITIES BARREL CO., INC.	Policy	09/15/2016	2016	Protective
02	NY	WARWICK LANDFILL	Statutory	06/20/2016	2016	Protective
02	NY	APPLIED ENVIRONMENTAL SERVICES	Policy	08/17/2016	2016	Short-Term Protective
02	NY	HOOKER CHEMICAL & PLASTICS CORP./RUCO POLYMER CORP.	Statutory	08/23/2016	2016	Short-Term Protective
02	NY	JONES CHEMICALS, INC.	Policy	09/29/2016	2016	Short-Term Protective
02	NY	ROBINTech, INC./NATIONAL PIPE CO.	Policy	09/30/2016	2016	Short-Term Protective
02	NY	SARNEY FARM	Policy	09/20/2016	2016	Short-Term Protective
03	DE	STANDARD CHLORINE OF DELAWARE, INC.	Statutory	07/07/2016	2016	Will be Protective
03	MD	WOODLAWN COUNTY LANDFILL	Statutory	12/15/2015	2016	Protective
03	MD	LIMESTONE ROAD	Policy	01/21/2016	2016	Short-Term Protective
03	MD	ORDNANCE PRODUCTS, INC.	Statutory	11/23/2015	2016	Short-Term Protective
03	PA	RESIN DISPOSAL	Statutory	12/29/2015	2016	Not Protective
03	PA	NOVAK SANITARY LANDFILL	Statutory	05/16/2016	2016	Protective
03	PA	REVERE CHEMICAL CO.	Statutory	09/20/2016	2016	Protective
03	PA	A.I.W. FRANK/MID-COUNTY MUSTANG	Policy	03/15/2016	2016	Short-Term Protective
03	PA	BERKS SAND PIT	Policy	08/02/2016	2016	Short-Term Protective
03	PA	BUTZ LANDFILL	Statutory	08/25/2016	2016	Short-Term Protective
03	PA	DELTA QUARRIES & DISPOSAL, INC./STOTLER LANDFILL	Statutory	05/04/2016	2016	Short-Term Protective
03	PA	JACKS CREEK/SITKIN SMELTING & REFINING, INC.	Statutory	03/25/2016	2016	Short-Term Protective
03	PA	MILL CREEK DUMP	Policy	09/16/2016	2016	Short-Term Protective
03	PA	OLD CITY OF YORK LANDFILL	Statutory	02/26/2016	2016	Short-Term Protective
03	PA	PAOLI RAIL YARD	Statutory	04/28/2016	2016	Short-Term Protective
03	PA	RYELAND ROAD ARSENIC SITE	Statutory	09/21/2016	2016	Short-Term Protective
03	PA	UGI COLUMBIA GAS PLANT	Statutory	05/05/2016	2016	Short-Term Protective
03	PA	VALMONT TCE SITE (FORMER - VALMONT INDUSTRIAL PARK)	Statutory	08/10/2016	2016	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
03	PA	WALSH LANDFILL	Statutory	05/05/2016	2016	Short-Term Protective
03	PA	WESTINGHOUSE ELECTRIC CORP. (SHARON PLANT)	Statutory	09/21/2016	2016	Short-Term Protective
03	PA	WESTINGHOUSE ELEVATOR CO. PLANT	Policy	06/15/2016	2016	Short-Term Protective
03	PA	CRATER RESOURCES, INC./KEYSTONE COKE CO./ALAN WOOD STEEL CO.	Statutory	09/12/2016	2016	Will be Protective
03	VA	ARROWHEAD ASSOCIATES, INC./SCOVILL CORP.	Statutory	01/05/2016	2015	Not Protective
03	VA	KIM-STAN LANDFILL	Statutory	12/03/2015	2016	Protective
03	WV	ORDNANCE WORKS DISPOSAL AREAS	Statutory	09/12/2016	2016	Protective
04	AL	CIBA-GEIGY CORP. (MCINTOSH PLANT)	Statutory	09/29/2016	2016	Protectiveness Deferred
04	AL	OLIN CORP. (MCINTOSH PLANT)	Statutory	09/29/2016	2016	Protectiveness Deferred
04	AL	INTERSTATE LEAD CO. (ILCO)	Statutory	09/26/2016	2016	Short-Term Protective
04	AL	STAUFFER CHEMICAL CO. (COLD CREEK PLANT)	Statutory	08/30/2016	2016	Will be Protective
04	AL	STAUFFER CHEMICAL CO. (LEMOYNE PLANT)	Statutory	08/30/2016	2016	Will be Protective
04	FL	AMERICAN CREOSOTE WORKS, INC. (PENSACOLA PLANT)	Statutory	09/20/2016	2016	Not Protective
04	FL	SCHUYLKILL METALS CORP.	Statutory	08/30/2016	2016	Protective
04	FL	SYDNEY MINE SLUDGE PONDS	Policy	03/23/2016	2016	Protective
04	FL	WINGATE ROAD MUNICIPAL INCINERATOR DUMP	Statutory	09/14/2016	2016	Protective
04	FL	ZELLWOOD GROUND WATER CONTAMINATION	Statutory	09/22/2016	2016	Protectiveness Deferred
04	FL	AIRCO PLATING CO.	Statutory	09/22/2016	2016	Short-Term Protective
04	FL	FLASH CLEANERS	Policy	08/16/2016	2016	Short-Term Protective
04	FL	FLORIDA STEEL CORP.	Statutory	08/16/2016	2016	Short-Term Protective
04	FL	HOLLINGSWORTH SOLDERLESS TERMINAL	Policy	08/31/2016	2016	Short-Term Protective
04	FL	NORMANDY PARK APARTMENTS	Statutory	08/09/2016	2016	Short-Term Protective
04	FL	PETROLEUM PRODUCTS CORP.	Statutory	12/03/2015	2016	Short-Term Protective
04	FL	PICKETTVILLE ROAD LANDFILL	Statutory	02/24/2016	2016	Short-Term Protective
04	FL	CABOT/KOPPERS	Statutory	03/30/2016	2016	Will be Protective
04	FL	HELENA CHEMICAL CO. (TAMPA PLANT)	Statutory	03/10/2016	2016	Will be Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
04	FL	REEVES SOUTHEASTERN GALVANIZING CORP.	Policy	09/27/2016	2016	Will be Protective
04	GA	CEDARTOWN INDUSTRIES, INC.	Statutory	09/27/2016	2016	Short-Term Protective
04	GA	CEDARTOWN MUNICIPAL LANDFILL	Statutory	09/27/2016	2016	Short-Term Protective
04	GA	DIAMOND SHAMROCK CORP. LANDFILL	Policy	09/26/2016	2016	Short-Term Protective
04	GA	FIRESTONE TIRE & RUBBER CO. (ALBANY PLANT)	Statutory	09/26/2016	2016	Short-Term Protective
04	GA	HERCULES 009 LANDFILL	Statutory	09/06/2016	2016	Short-Term Protective
04	KY	NATIONAL SOUTHWIRE ALUMINUM CO.	Statutory	09/26/2016	2016	Protective
04	KY	GREEN RIVER DISPOSAL, INC.	Statutory	09/29/2016	2016	Short-Term Protective
04	KY	SMITH'S FARM	Statutory	09/22/2016	2016	Short-Term Protective
04	MS	FLOWOOD SITE	Statutory	08/31/2016	2016	Short-Term Protective
04	NC	FCX, INC. (STATESVILLE PLANT)	Policy	08/18/2016	2016	Protective
04	NC	FLANDERS FILTERS INC	Policy	09/26/2016	2016	Protective
04	NC	BARBER ORCHARD	Policy	09/21/2016	2016	Protectiveness Deferred
04	NC	CAPE FEAR WOOD PRESERVING	Policy	09/22/2016	2016	Short-Term Protective
04	NC	CELANESE CORP. (SHELBY FIBER OPERATIONS)	Statutory	08/18/2016	2016	Short-Term Protective
04	NC	JADCO-HUGHES FACILITY	Policy	09/26/2016	2016	Short-Term Protective
04	SC	GOLDEN STRIP SEPTIC TANK SERVICE	Statutory	09/29/2016	2016	Protective
04	SC	ROCK HILL CHEMICAL CO.	Policy	09/29/2016	2016	Protective
04	SC	BREWER GOLD MINE	Statutory	09/21/2016	2016	Short-Term Protective
04	SC	SHURON INC.	Statutory	09/22/2016	2016	Short-Term Protective
04	TN	MURRAY-OHIO DUMP	Statutory	09/29/2016	2016	Protectiveness Deferred
04	TN	TENNESSEE PRODUCTS	Statutory	09/26/2016	2016	Short-Term Protective
04	TN	VELSICOL CHEMICAL CORP. (HARDEMAN COUNTY)	Statutory	03/31/2016	2016	Will be Protective
05	IN	LITTLE MISSISSINEWA RIVER	Statutory	10/05/2015	2016	Protectiveness Deferred
05	IN	AMERICAN CHEMICAL SERVICE, INC.	Statutory	03/14/2016	2016	Short-Term Protective
05	IN	HIMCO DUMP	Statutory	03/01/2016	2016	Short-Term Protective
05	IN	LAKE SANDY JO (M&M LANDFILL)	Policy	07/14/2016	2016	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	IN	PRESTOLITE BATTERY DIVISION	Statutory	09/21/2016	2016	Short-Term Protective
05	IN	WASTE, INC., LANDFILL	Statutory	06/02/2016	2016	Short-Term Protective
05	MI	LOWER ECORSE CREEK DUMP	Statutory	01/28/2016	2016	Protective
05	MI	CHARLEVOIX MUNICIPAL WELL	Discretionary	09/06/2016	2016	Protectiveness Deferred
05	MI	AUTO ION CHEMICALS, INC.	Statutory	08/30/2016	2016	Short-Term Protective
05	MI	CLARE WATER SUPPLY	Statutory	09/16/2016	2016	Short-Term Protective
05	MI	ELECTROVOICE	Statutory	06/30/2016	2016	Short-Term Protective
05	MI	G&H LANDFILL	Statutory	04/22/2016	2016	Short-Term Protective
05	MI	J & L LANDFILL	Statutory	05/16/2016	2016	Short-Term Protective
05	MI	MASON COUNTY LANDFILL	Statutory	01/15/2016	2016	Short-Term Protective
05	MI	WASH KING LAUNDRY	Policy	09/14/2016	2016	Short-Term Protective
05	MN	EAST BETHEL DEMOLITION LANDFILL	Statutory	08/26/2016	2016	Protective
05	MN	LEHILLIER/MANKATO	Policy	06/24/2016	2016	Short-Term Protective
05	MN	MACGILLIS & GIBBS CO./BELL LUMBER & POLE CO.	Statutory	06/24/2016	2016	Short-Term Protective
05	MN	PERHAM ARSENIC SITE	Statutory	08/04/2016	2016	Short-Term Protective
05	MN	REILLY TAR & CHEMICAL CORP. (ST. LOUIS PARK PLANT)	Statutory	06/14/2016	2016	Short-Term Protective
05	MN	SOUTH ANDOVER SITE	Statutory	06/03/2016	2016	Short-Term Protective
05	OH	FORD RD IND LDFL	Statutory	08/19/2016	2016	Protective
05	OH	PRISTINE, INC.	Statutory	08/04/2016	2016	Protective
05	OH	UNITED SCRAP LEAD CO., INC.	Statutory	04/14/2016	2016	Protective
05	OH	COPLEY SQUARE PLAZA	Statutory	08/10/2016	2016	Protectiveness Deferred
05	OH	INDUSTRIAL EXCESS LANDFILL	Statutory	05/06/2016	2016	Protectiveness Deferred
05	OH	OLD MILL	Policy	09/26/2016	2016	Short-Term Protective
05	OH	SOUTH POINT PLANT	Statutory	04/14/2016	2016	Short-Term Protective
05	OH	ZANESVILLE WELL FIELD	Policy	05/13/2016	2016	Short-Term Protective
05	WI	JANESVILLE ASH BEDS	Statutory	07/25/2016	2016	Protective
05	WI	JANESVILLE OLD LANDFILL	Statutory	07/25/2016	2016	Protective
05	WI	TOMAH ARMORY	Statutory	08/11/2016	2016	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	WI	HAGEN FARM	Statutory	07/26/2016	2016	Short-Term Protective
05	WI	HUNTS DISPOSAL LANDFILL	Statutory	09/21/2016	2016	Short-Term Protective
05	WI	N.W. MAUTHE CO., INC.	Statutory	04/21/2016	2016	Short-Term Protective
05	WI	RIPON CITY LANDFILL	Statutory	07/06/2016	2016	Short-Term Protective
06	AR	ARKWOOD, INC.	Statutory	09/30/2016	2016	Short-Term Protective
06	AR	MIDLAND PRODUCTS	Policy	09/27/2016	2016	Short-Term Protective
06	AR	POPILE, INC.	Statutory	09/27/2016	2016	Short-Term Protective
06	LA	COMBUSTION, INC.	Statutory	01/14/2016	2016	Protective
06	LA	DUTCHTOWN TREATMENT PLANT	Statutory	07/21/2016	2016	Protective
06	LA	BAYOU BONFOUCA	Statutory	08/12/2016	2016	Short-Term Protective
06	LA	PETRO-PROCESSORS OF LOUISIANA, INC.	Policy	03/11/2016	2016	Short-Term Protective
06	NM	GRIGGS & WALNUT GROUND WATER PLUME	Statutory	09/29/2016	2016	Protectiveness Deferred
06	NM	HOMESTAKE MINING CO.	Policy	07/28/2016	2016	Short-Term Protective
06	NM	OUACHITA NEVADA WOOD TREATER	Statutory	08/19/2016	2016	Short-Term Protective
06	OK	COMPASS INDUSTRIES (AVERY DRIVE)	Statutory	03/25/2016	2016	Protective
06	OK	TENTH STREET DUMP/JUNKYARD	Statutory	06/15/2016	2016	Protective
06	TX	CRYSTAL CITY AIRPORT	Statutory	07/08/2016	2016	Protective
06	TX	ALCOA (POINT COMFORT)/LAVACA BAY	Statutory	07/08/2016	2016	Protectiveness Deferred
06	TX	ODESSA CHROMIUM #1	Policy	09/30/2016	2016	Protectiveness Deferred
06	TX	GULFCO MARINE MAINTENANCE	Statutory	09/21/2016	2016	Short-Term Protective
06	TX	KOPPERS CO., INC. (TEXARKANA PLANT)	Statutory	09/27/2016	2016	Short-Term Protective
06	TX	PETRO-CHEMICAL SYSTEMS, INC. (TURTLE BAYOU)	Statutory	08/19/2016	2016	Short-Term Protective
06	TX	SIKES DISPOSAL PITS	Policy	09/19/2016	2016	Short-Term Protective
06	TX	TRIANGLE CHEMICAL CO.	Policy	09/21/2016	2016	Short-Term Protective
07	IA	RAILROAD AVENUE GROUNDWATER CONTAMINATION	Policy	09/14/2016	2016	Protective
07	IA	MIDWEST MANUFACTURING/NORTH FARM	Statutory	03/18/2016	2016	Protectiveness Deferred
07	IA	RALSTON	Statutory	06/29/2016	2016	Protectiveness Deferred

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
07	IA	ELECTRO-COATINGS, INC.	Policy	09/20/2016	2015	Short-Term Protective
07	IA	PEOPLES NATURAL GAS CO.	Statutory	12/11/2015	2015	Short-Term Protective
07	KS	DOEPKE DISPOSAL (HOLLIDAY)	Statutory	12/11/2015	2016	Protective
07	KS	CHEMICAL COMMODITIES, INC.	Statutory	09/27/2016	2016	Protectiveness Deferred
07	KS	OBEE ROAD	Statutory	12/16/2015	2015	Protectiveness Deferred
07	KS	STROTHER FIELD INDUSTRIAL PARK	Statutory	09/27/2016	2016	Protectiveness Deferred
07	MO	ST. LOUIS AIRPORT/HAZELWOOD INTERIM STORAGE/FUTURA COATINGS CO.	Statutory	05/17/2016	2016	Will Be Protective
07	NE	HASTINGS GROUND WATER CONTAMINATION	Statutory	09/27/2016	2016	Protectiveness Deferred
07	NE	OGALLALA GROUND WATER CONTAMINATION	Policy	09/22/2016	2016	Protectiveness Deferred
08	CO	BRODERICK WOOD PRODUCTS	Statutory	09/29/2016	2016	Not Protective
08	CO	MARSHALL LANDFILL	Policy	09/27/2016	2016	Protective
08	CO	SMELTERTOWN SITE	Statutory	12/29/2015	2015	Protective
08	MT	SILVER BOW CREEK/BUTTE AREA	Statutory	08/30/2016	2016	Protectiveness Deferred
08	MT	EAST HELENA SITE	Statutory	09/26/2016	2016	Will be Protective
08	MT	MILLTOWN RESERVOIR SEDIMENTS	Statutory	09/29/2016	2016	Will be Protective
08	ND	MINOT LANDFILL	Statutory	09/27/2016	2016	Protective
08	UT	KENNECOTT (SOUTH ZONE)	Statutory	05/06/2016	2015	Not Protective
08	UT	OGDEN RAILROAD YARD	Statutory	09/29/2016	2016	Protective
08	UT	PETROCHEM RECYCLING CORP./EKOTEK PLANT	Statutory	09/23/2016	2016	Protective
08	UT	UTAH POWER & LIGHT/AMERICAN BARREL CO.	Policy	09/23/2016	2016	Protective
09	AZ	HASSAYAMPA LANDFILL	Statutory	09/26/2016	2016	Protective
09	AZ	INDIAN BEND WASH AREA	Policy	09/29/2016	2016	Protectiveness Deferred
09	AZ	MOTOROLA, INC. (52ND STREET PLANT)	Statutory	09/27/2016	2016	Protectiveness Deferred
09	CA	SAN GABRIEL VALLEY (AREA I)	Statutory	09/30/2016	2016	Not Protective
09	CA	UNITED HECKATHORN CO.	Statutory	08/08/2016	2016	Not Protective
09	CA	ATLAS ASBESTOS MINE	Statutory	09/21/2016	2016	Protective
09	CA	COALINGA ASBESTOS MINE	Statutory	09/21/2016	2016	Protective
09	CA	INTEL CORP. (SANTA CLARA III)	Policy	08/04/2016	2016	Protective
09	CA	PACIFIC COAST PIPE LINES	Policy	08/22/2016	2016	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
09	CA	WESTINGHOUSE ELECTRIC CORP. (SUNNYVALE PLANT)	Statutory	08/23/2016	2016	Protective
09	CA	AEROJET GENERAL CORP.	Policy	09/22/2016	2016	Protectiveness Deferred
09	CA	SAN GABRIEL VALLEY (AREA 4)	Statutory	09/29/2016	2016	Protectiveness Deferred
09	CA	SELMA TREATING CO.	Statutory	09/19/2016	2016	Protectiveness Deferred
09	CA	BROWN & BRYANT, INC. (ARVIN PLANT)	Statutory	09/08/2016	2016	Short-Term Protective
09	CA	COAST WOOD PRESERVING	Statutory	09/15/2016	2016	Short-Term Protective
09	CA	PURITY OIL SALES, INC.	Statutory	09/22/2016	2016	Short-Term Protective
09	CA	STRINGFELLOW	Statutory	09/15/2016	2016	Short-Term Protective
09	CA	LAVA CAP MINE	Statutory	08/25/2016	2016	Will be Protective
10	ID	BUNKER HILL MINING & METALLURGICAL COMPLEX	Statutory	11/16/2015	2016	Will be Protective
10	OR	MCCORMICK & BAXTER CREOSOTING CO. (PORTLAND PLANT)	Statutory	09/28/2016	2016	Short-Term Protective
10	OR	NORTHWEST PIPE & CASING/HALL PROCESS COMPANY	Statutory	09/28/2016	2016	Short-Term Protective
10	WA	SPOKANE JUNKYARD/ASSOCIATED PROPERTIES	Policy	09/20/2016	2016	Protective
10	WA	OESER CO.	Statutory	09/02/2016	2016	Short-Term Protective

^a Explanations of terms used in this table are included in Attachment 3.

Non-Federal Facility FYRs Not Yet Complete				
Region	State	Site Name	FYR Type	Fiscal Year Due
04	KY	AIRCO	Statutory	2016
04	KY	B.F. GOODRICH	Statutory	2016
08	CO	ASARCO, INC. (GLOBE PLANT)	Statutory	2014
08	CO	CENTRAL CITY, CLEAR CREEK	Statutory	2014
08	MT	MONTANA POLE AND TREATING	Statutory	2016
08	MT	UPPER TENMILE CREEK MINING AREA	Statutory	2013
10	OR	UNITED CHROME PRODUCTS, INC.	Policy	2016

Attachment 2

FY 2016 Superfund Five-Year Review Report to Congress FYRs at Federal Facility Sites

Federal Facility FYRs Completed in FY16						
Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	MA	FORT DEVENS-SUDBURY TRAINING ANNEX	Statutory	09/26/2016	2016	Short-Term Protective
01	MA	MATERIALS TECHNOLOGY LABORATORY (USARMY)	Statutory	03/28/2016	2016	Protectiveness Deferred
02	NJ	NAVAL AIR ENGINEERING CENTER	Statutory	07/26/2016	2016	Protective
02	NJ	PICATINNY ARSENAL (USARMY)	Statutory	08/24/2016	2016	Short-term Protective
02	NY	SENECA ARMY DEPOT	Statutory	08/30/2016	2016	Protective
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	Statutory	08/09/2016	2016	Will be protective
03	MD	FORT GEORGE G. MEADE	Statutory	09/30/2016	2016	Protective
03	MD	ANDREWS AIR FORCE BASE	Statutory	05/17/2016	2016	Protectiveness Deferred ^c
03	MD	BRANDYWINE DRMO	Statutory	05/24/2016	2016	Short-Term Protective ^d
03	VA	NORFOLK NAVAL SHIPYARD	Statutory	08/10/2016	2016	Short-Term Protective
03	VA	LANGLEY AIR FORCE BASE/NASA LANGLEY RESEARCH CENTER	Statutory	09/29/2016	2016	Will be Protective
03	WV	WEST VIRGINIA ORDNANCE (USARMY)	Statutory	09/23/2016	2016	Short-Term Protective
04	FL	JACKSONVILLE NAVAL AIR STATION	Statutory	03/01/2016	2016	Short-Term Protective
04	FL	WHITING FIELD NAVAL AIR STATION	Statutory	09/29/2016	2016	Protectiveness Deferred
04	GA	MARINE CORPS LOGISTICS BASE	Statutory	09/26/2016	2016	Short-Term Protective
04	GA	ROBINS AIR FORCE BASE (LANDFILL #4/SLUDGE LAGOON)	Statutory	06/28/2016	2016	Short-Term Protective
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	10/21/2015	2016	Short-Term Protective
05	IL	SANGAMO ELECTRIC DUMP/CRAB ORCHARD NATIONAL WILDLIFE REFUGE (USDOI)	Statutory	06/30/2016	2016	Short-Term Protective
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	Statutory	09/09/2016	2016	Short-Term Protective
05	OH	MOUND PLANT (USDOE)	Statutory	09/16/2016	2016	Short-Term Protective
05	OH	WRIGHT-PATTERSON AIR FORCE BASE	Statutory	12/09/2015	2016	Protectiveness Deferred ^b
06	LA	LOUISIANA ARMY AMMUNITION PLANT	Statutory	09/19/2016	2016	Protective
06	TX	LONE STAR ARMY AMMUNITION PLANT	Statutory	09/30/2016	2016	Protectiveness Deferred ^c
07	IA	IOWA ARMY AMMUNITION PLANT	Statutory	03/10/2016	2016	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
07	MO	WELDON SPRING QUARRY/PLANT/PITS (USDOE/ARMY)	Statutory	09/30/2016	2016	Short-Term Protective ^b
08	CO	ROCKY MOUNTAIN ARSENAL (USARMY)	Statutory	09/28/2016	2016	Protectiveness Deferred ^b
09	AZ	WILLIAMS AIR FORCE BASE	Statutory	09/30/2016	2016	Protectiveness Deferred ^b
09	CA	ALAMEDA NAVAL AIR STATION	Policy	09/29/2016	2016	Protective
09	CA	EDWARDS AIR FORCE BASE	Statutory	09/22/2016	2016	Protective
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)	Statutory	08/10/2016	2016	Protective
09	CA	CONCORD NAVAL WEAPONS STATION	Statutory	09/21/2016	2016	Short-Term Protective
09	CA	GEORGE AIR FORCE BASE	Statutory	09/30/2016	2016	Short-Term Protective
09	CA	CONCORD NAVAL WEAPONS STATION	Statutory	09/30/2016	2016	Protectiveness Deferred
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)	Statutory	09/21/2016	2016	Protectiveness Deferred
09	CA	RIVERBANK ARMY AMMUNITION PLANT	Statutory	09/29/2016	2016	Protectiveness Deferred ^b
10	AK	FORT WAINWRIGHT	Statutory	09/29/2016	2016	Protectiveness Deferred ^b
10	ID	IDAHO NATIONAL ENGINEERING LABORATORY (USDOE)	Statutory	02/08/2016	2016	Will be Protective
10	WA	NAVAL UNDERSEA WARFARE ENGINEERING STATION (4 WASTE AREAS)	Statutory	02/11/2016	2016	Short-Term Protective

^a Explanations of terms used in this table are included in Attachment 3.

^b EPA did not concur on the draft FYR report as provided by the federal agency and issued an independent finding of the protectiveness of the remedy.

- Region 5, Wright Patterson Air Force Base, EPA issued an independent finding of protectiveness deferred because additional information is needed to make a final protectiveness determination.
- Region 7, Weldon Spring Quarry/Plant/Pits Site, EPA issued an independent finding of short term protectiveness and in order for the remedy to be protective in the long term, institutional controls need to be in place for the groundwater.
- Region 8, Rocky Mountain Arsenal, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding ecological risks at the site.
- Region 9, Riverbank Army Ammunition Plant, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding offsite contaminated groundwater.
- Region 9, Williams Air Force Base, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding the potential presence of perfluorinated compounds source area.
- Region 10, Ft Wainwright, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding human health exposure through the vapor intrusion and drinking water pathways. The Army needs to collect additional data regarding the potential presence of 1,4 dioxane and the per-and poly fluoroalkyl substances (PFAS) in the groundwater.

^c EPA did not receive a FYR report and issued an independent finding of the protectiveness of the remedy.

- Region 3, Andrews Air Force Base, EPA issued an independent finding of protectiveness deferred because there was not enough information to determine the protectiveness of the remedies.

- Region 6, Lone Star Army Ammunition Site, EPA issued an independent finding of protectiveness deferred because additional information is needed on the institutional controls and the restoration of the groundwater.

^d Region 3, Brandywine DRMO Yard, EPA received a draft report from the Air Force. Because the report was not finalized by the statutory due date, EPA issued an independent finding of short term protectiveness which concurred with the Air Force's determination of protectiveness.

Federal Facility FYRs Not Yet Complete				
Region	State	Site Name	FYR Type	Fiscal Year Due
10	ID	MOUNTAIN HOME AIR FORCE BASE	Policy	2016
10	OR	UMATILLA ARMY DEPOT (LAGOONS)	Statutory	2015
10	WA	BANGOR NAVAL SUBMARINE BASE	Statutory	2016
10	WA	BANGOR ORDNANCE DISPOSAL (USNAVY)	Policy	2016
10	WA	JACKSON PARK HOUSING COMPLEX (USNAVY)	Statutory	2016

Attachment 3

FY 2016 Superfund Five-Year Review Report to Congress Explanation of Terms Used in Attachments 1 and 2

For all sites that require a five-year review, a separate protectiveness determination is generally made for each portion or operable unit (OU) of the site. The determination that is considered "least protective" is used as the general determination for the review in this report. For example, if one operable unit is protective but another operable unit has protectiveness deferred, the determination for the entire review will be protectiveness deferred.

Protective: The remedy is protective of human health and the environment in the short- and long-term.

Short-Term Protective: The remedy is protective of human health and the environment in the short-term. This statement is generally used when the remedy is currently protective but requires further actions or institutional controls to remain protective in the long-term.

Will Be Protective: The remedy is expected to be protective of human health and the environment upon completion, and in the interim, exposure pathways that could result in unacceptable risks are being controlled. This statement is generally used for remedies that are under construction.

Protectiveness Deferred: The determination cannot be made until further information is obtained. Generally, reviews that include this determination identify both the actions and timeframe necessary to obtain the information, so that a protectiveness determination can be made through a future addendum to the five-year review report.

Not Protective: The remedy is not protective of human health and/or the environment. For example, a new exposure pathway may be identified or a remedy may not be able to meet a new cleanup level. Generally, reviews that include this determination identify actions that need to be taken to ensure protectiveness.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

THE ADMINISTRATOR

July 10, 2017

The Honorable Paul Ryan
Speaker of the House
U.S. House of Representatives
Washington, D.C. 20515

Dear Mr. Speaker:

I am pleased to submit the enclosed report entitled, "FY 2016 Superfund Five-Year Review Report to Congress," in accordance with the requirements of Section 121(c) of the Comprehensive Environmental Response, Compensation and Liability Act.

If you have questions please contact me, or your staff may contact Troy M. Lyons, Associate Administrator for Congressional and Intergovernmental Relations at Lyons.Troy@epa.gov or (202) 564-4987.

Respectfully yours,

A handwritten signature in black ink, which appears to read "E. Scott Pruitt", is written over a horizontal line.

E. Scott Pruitt

Enclosure

**FY 2016 REPORT TO CONGRESS
SUPERFUND FIVE-YEAR REVIEWS**

PURPOSE:

Consistent with CERCLA section 121(c), Executive Order 12580 and the National Contingency Plan, the U.S. Environmental Protection Agency (EPA) is responsible for reviewing Superfund remedial actions at least every five years where hazardous substances, pollutants, or contaminants will remain on site above levels that allow for unlimited use and unrestricted exposure. EPA is also responsible for preparing a report to Congress on these reviews.

BACKGROUND:

Section 121(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, states:

"If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each 5 years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section 9604 or 9606 of the Title, the President shall take or require such action."

CERCLA also requires that EPA report to Congress information regarding these sites for which the reviews are required. This report fulfills that requirement by providing a list of sites, information about sites where additional work is required, and contacts for additional information.

FINDINGS:

Tables 1 and 2 provide a summary of five-year reviews conducted for non-Federal facility sites and Federal facility National Priorities List (NPL) sites and respective protectiveness determinations, including the following:

- Non-Federal facility reviews, due in Fiscal Year (FY) 2016 or prior fiscal years, currently completed;
- Non-Federal facility reviews due in FY 2016 or prior fiscal years, pending completion;
- Federal facility reviews due in FY 2016, currently completed; and
- Federal facility reviews due in FY 2016 or prior fiscal years, pending completion.

For non-Federal facility sites, a total of 201 sites required five-year reviews in FY 2016. Of the reviews due in FY 2016, 197 are now complete, while four remain pending completion. Another nine reviews due in prior fiscal years were also completed in FY 2016, bringing the total number of non-Federal site five-year reviews completed in FY 2016 to **206** (Table 1).

For Federal facility NPL sites, a total of 42 sites required five-year reviews in FY 2016. Of the reviews due in FY 2016, 38 are now complete, while four remain pending completion. No additional reviews

due in prior fiscal years were completed, meaning that the total number of Federal facility NPL site five-year reviews completed in FY 2016 is **38** (Table 1).

For non-Federal facility sites, three reviews due in a prior fiscal year remain pending and EPA is working to complete them. For Federal facility NPL sites, one review due in a prior fiscal year is pending. EPA expects that all pending reviews will be completed in the near future (Table 1).

In all, the total number of five-year reviews completed for both non-Federal facility and Federal facility NPL sites was **244**. Based on the reviews, EPA has determined that seven sites (or portions of the sites) were “not protective” and that 39 sites were “protectiveness deferred” (Table 2). Recommendations to do additional work or study for each of these sites are tracked in the Superfund Enterprise Management System (SEMS) and, semi-annually, EPA headquarters monitors the progress in implementing these recommendations to resolve protectiveness-related issues at all sites.

Table 1: FYR Completion Status

Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2016			
FYR Completion Status	Number of FYRs		
	Non-FF	FF	Total
Total FYRs Due in FY16	201	42	243
Total FYRs Completed in FY16	206	38	244
FYRs Due in FY16, Completed in FY16	197	38	235
FYRs Due in other FYs, Completed in FY16	9	0	9
Total FYRs Pending Completion at the end of FY16	7	5	12
FYRs Due in FY16, Pending Completion	4	4	8
FYRs Due in other FYs, Pending Completion	3	1	4

Table 2: FYR Protectiveness Determination

Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2016			
Protectiveness Determination^a	Number of FYRs		
	Non-FF	FF	Total
Protective	62	7	69
Short-Term Protective	94	17	111
Will Be Protective	15	3	18
Protectiveness Deferred	28	11	39
Not Protective	7	0	7
Total	206	38	244

^a Explanations of terms used in this table are included in Attachment 3.

Summary copies of all five-year reviews, including those contained in this report, can be accessed publicly via the national Superfund web page (<http://www.epa.gov/superfund/search-superfund-five-year-reviews>). These reports contain detailed information regarding the effectiveness of the site remedy and assess whether human and/or ecological exposures are occurring. The information in these reports

includes the protectiveness determinations that are ultimately selected and are reported in the associated table for each site. Additional details on the five-year reviews summarized in this report are provided in the attachments, including a list of statutory, policy and discretionary¹ five-year reviews that were conducted for non-Federal facility sites and Federal facility NPL sites.

For additional information on any of the five-year reviews identified in this report, please contact the Office of Superfund Remediation and Technology Innovation at (703) 603-8960, or the Superfund Call Center at (703) 412-9810 or (800) 424-9346.

Attachments (3)

¹ As further discussed in EPA's Comprehensive Five Year Review Guidance (2001, OSWER 9355.7-03B-P), statutory reviews are carried out if both of the following conditions are true: 1) Upon completion of the remedial action, hazardous substances, pollutants, or contaminants will remain on site; and 2) the Record of Decision (ROD) for the site was signed on or after October 17, 1986, (effective date of the Superfund Amendments and Reauthorization Act – SARA) and the remedial action was selected under CERCLA §121. Policy reviews are carried out for the following types of actions: 1) a pre- or post-SARA remedial action that, upon completion, will not leave hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposure but requires five years or more to complete; 2) a pre-SARA remedial action that leaves hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposures; or 3) a removal-only site on the NPL where a removal action leaves hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposure and where no remedial action has taken or will take place. Regions may also carry out a discretionary review, which is not required by the statute, but may be completed at the Region's discretion to help ensure the protectiveness of the remedy.

Attachment 1

FY 2016 Superfund Five-Year Review Report to Congress FYRs at Non-Federal Facility Sites

Non-Federal Facility FYRs Completed in FY16						
Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	CT	DURHAM MEADOWS	Statutory	09/28/2016	2016	Protective
01	ME	EASTERN SURPLUS	Statutory	09/28/2016	2016	Short-Term Protective
01	ME	CALLAHAN MINING CORP	Statutory	04/18/2016	2016	Will be Protective
01	NH	COAKLEY LANDFILL	Statutory	09/26/2016	2016	Protectiveness Deferred
01	NH	SAVAGE MUNICIPAL WATER SUPPLY	Policy	09/14/2016	2016	Short-Term Protective
02	NJ	HIGGINS DISPOSAL	Policy	05/20/2016	2016	Protective
02	NJ	LANDFILL & DEVELOPMENT CO.	Statutory	08/05/2016	2016	Protective
02	NJ	LANG PROPERTY	Policy	06/30/2016	2015	Protective
02	NJ	MONTGOMERY TOWNSHIP HOUSING DEVELOPMENT	Policy	09/14/2016	2015	Protective
02	NJ	ROCKY HILL MUNICIPAL WELL	Policy	09/14/2016	2015	Protective
02	NJ	U.S. RADIUM CORP.	Policy	05/09/2016	2016	Protective
02	NJ	SYNCON RESINS	Statutory	09/20/2016	2016	Protectiveness Deferred
02	NJ	UNIVERSAL OIL PRODUCTS (CHEMICAL DIVISION)	Statutory	09/27/2016	2016	Protectiveness Deferred
02	NJ	BURNT FLY BOG	Statutory	06/24/2016	2016	Short-Term Protective
02	NJ	DENZER & SCHAFFER X-RAY CO.	Policy	09/22/2016	2016	Short-Term Protective
02	NJ	DIAMOND ALKALI CO.	Statutory	06/23/2016	2016	Short-Term Protective
02	NJ	WILLIAMS PROPERTY	Policy	09/21/2016	2016	Short-Term Protective
02	NJ	VINELAND CHEMICAL CO., INC.	Discretionary	09/26/2016	2016	Will be Protective
02	NY	COMPUTER CIRCUITS	Policy	09/15/2016	2016	Protective
02	NY	CORTESE LANDFILL	Statutory	09/09/2016	2016	Protective
02	NY	ENDICOTT VILLAGE WELL FIELD	Statutory	07/22/2016	2016	Protective
02	NY	HOOVER (102ND STREET)	Statutory	09/26/2016	2016	Protective
02	NY	HOOVER (HYDE PARK)	Statutory	08/23/2016	2016	Protective
02	NY	JOHNSTOWN CITY LANDFILL	Statutory	09/09/2016	2016	Protective
02	NY	JONES SANITATION	Statutory	09/09/2016	2016	Protective
02	NY	NIAGARA MOHAWK POWER CORP. (SARATOGA SPRINGS PLANT)	Statutory	09/15/2016	2016	Protective
02	NY	ONONDAGA LAKE	Statutory	05/20/2016	2016	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
02	NY	PFOHL BROTHERS LANDFILL	Statutory	06/30/2016	2016	Protective
02	NY	REYNOLDS METALS CO	Statutory	08/16/2016	2016	Protective
02	NY	SMITHTOWN GROUND WATER CONTAMINATION	Policy	06/23/2016	2016	Protective
02	NY	TRI-CITIES BARREL CO., INC.	Policy	09/15/2016	2016	Protective
02	NY	WARWICK LANDFILL	Statutory	06/20/2016	2016	Protective
02	NY	APPLIED ENVIRONMENTAL SERVICES	Policy	08/17/2016	2016	Short-Term Protective
02	NY	HOOKER CHEMICAL & PLASTICS CORP./RUCO POLYMER CORP.	Statutory	08/23/2016	2016	Short-Term Protective
02	NY	JONES CHEMICALS, INC.	Policy	09/29/2016	2016	Short-Term Protective
02	NY	ROBINTech, INC./NATIONAL PIPE CO.	Policy	09/30/2016	2016	Short-Term Protective
02	NY	SARNEY FARM	Policy	09/20/2016	2016	Short-Term Protective
03	DE	STANDARD CHLORINE OF DELAWARE, INC.	Statutory	07/07/2016	2016	Will be Protective
03	MD	WOODLAWN COUNTY LANDFILL	Statutory	12/15/2015	2016	Protective
03	MD	LIMESTONE ROAD	Policy	01/21/2016	2016	Short-Term Protective
03	MD	ORDNANCE PRODUCTS, INC.	Statutory	11/23/2015	2016	Short-Term Protective
03	PA	RESIN DISPOSAL	Statutory	12/29/2015	2016	Not Protective
03	PA	NOVAK SANITARY LANDFILL	Statutory	05/16/2016	2016	Protective
03	PA	REVERE CHEMICAL CO.	Statutory	09/20/2016	2016	Protective
03	PA	A.I.W. FRANK/MID-COUNTY MUSTANG	Policy	03/15/2016	2016	Short-Term Protective
03	PA	BERKS SAND PIT	Policy	08/02/2016	2016	Short-Term Protective
03	PA	BUTZ LANDFILL	Statutory	08/25/2016	2016	Short-Term Protective
03	PA	DELTA QUARRIES & DISPOSAL, INC./STOTLER LANDFILL	Statutory	05/04/2016	2016	Short-Term Protective
03	PA	JACKS CREEK/SITKIN SMELTING & REFINING, INC.	Statutory	03/25/2016	2016	Short-Term Protective
03	PA	MILL CREEK DUMP	Policy	09/16/2016	2016	Short-Term Protective
03	PA	OLD CITY OF YORK LANDFILL	Statutory	02/26/2016	2016	Short-Term Protective
03	PA	PAOLI RAIL YARD	Statutory	04/28/2016	2016	Short-Term Protective
03	PA	RYELAND ROAD ARSENIC SITE	Statutory	09/21/2016	2016	Short-Term Protective
03	PA	UGI COLUMBIA GAS PLANT	Statutory	05/05/2016	2016	Short-Term Protective
03	PA	VALMONT TCE SITE (FORMER - VALMONT INDUSTRIAL PARK)	Statutory	08/10/2016	2016	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
03	PA	WALSH LANDFILL	Statutory	05/05/2016	2016	Short-Term Protective
03	PA	WESTINGHOUSE ELECTRIC CORP. (SHARON PLANT)	Statutory	09/21/2016	2016	Short-Term Protective
03	PA	WESTINGHOUSE ELEVATOR CO. PLANT	Policy	06/15/2016	2016	Short-Term Protective
03	PA	CRATER RESOURCES, INC./KEYSTONE COKE CO./ALAN WOOD STEEL CO.	Statutory	09/12/2016	2016	Will be Protective
03	VA	ARROWHEAD ASSOCIATES, INC./SCOVILL CORP.	Statutory	01/05/2016	2015	Not Protective
03	VA	KIM-STAN LANDFILL	Statutory	12/03/2015	2016	Protective
03	WV	ORDNANCE WORKS DISPOSAL AREAS	Statutory	09/12/2016	2016	Protective
04	AL	CIBA-GEIGY CORP. (MCINTOSH PLANT)	Statutory	09/29/2016	2016	Protectiveness Deferred
04	AL	OLIN CORP. (MCINTOSH PLANT)	Statutory	09/29/2016	2016	Protectiveness Deferred
04	AL	INTERSTATE LEAD CO. (ILCO)	Statutory	09/26/2016	2016	Short-Term Protective
04	AL	STAUFFER CHEMICAL CO. (COLD CREEK PLANT)	Statutory	08/30/2016	2016	Will be Protective
04	AL	STAUFFER CHEMICAL CO. (LEMOYNE PLANT)	Statutory	08/30/2016	2016	Will be Protective
04	FL	AMERICAN CREOSOTE WORKS, INC. (PENSACOLA PLANT)	Statutory	09/20/2016	2016	Not Protective
04	FL	SCHUYLKILL METALS CORP.	Statutory	08/30/2016	2016	Protective
04	FL	SYDNEY MINE SLUDGE PONDS	Policy	03/23/2016	2016	Protective
04	FL	WINGATE ROAD MUNICIPAL INCINERATOR DUMP	Statutory	09/14/2016	2016	Protective
04	FL	ZELLWOOD GROUND WATER CONTAMINATION	Statutory	09/22/2016	2016	Protectiveness Deferred
04	FL	AIRCO PLATING CO.	Statutory	09/22/2016	2016	Short-Term Protective
04	FL	FLASH CLEANERS	Policy	08/16/2016	2016	Short-Term Protective
04	FL	FLORIDA STEEL CORP.	Statutory	08/16/2016	2016	Short-Term Protective
04	FL	HOLLINGSWORTH SOLDERLESS TERMINAL	Policy	08/31/2016	2016	Short-Term Protective
04	FL	NORMANDY PARK APARTMENTS	Statutory	08/09/2016	2016	Short-Term Protective
04	FL	PETROLEUM PRODUCTS CORP.	Statutory	12/03/2015	2016	Short-Term Protective
04	FL	PICKETTville ROAD LANDFILL	Statutory	02/24/2016	2016	Short-Term Protective
04	FL	CABOT/KOPPERS	Statutory	03/30/2016	2016	Will be Protective
04	FL	HELENA CHEMICAL CO. (TAMPA PLANT)	Statutory	03/10/2016	2016	Will be Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
04	FL	REEVES SOUTHEASTERN GALVANIZING CORP.	Policy	09/27/2016	2016	Will be Protective
04	GA	CEDARTOWN INDUSTRIES, INC.	Statutory	09/27/2016	2016	Short-Term Protective
04	GA	CEDARTOWN MUNICIPAL LANDFILL	Statutory	09/27/2016	2016	Short-Term Protective
04	GA	DIAMOND SHAMROCK CORP. LANDFILL	Policy	09/26/2016	2016	Short-Term Protective
04	GA	FIRESTONE TIRE & RUBBER CO. (ALBANY PLANT)	Statutory	09/26/2016	2016	Short-Term Protective
04	GA	HERCULES 009 LANDFILL	Statutory	09/06/2016	2016	Short-Term Protective
04	KY	NATIONAL SOUTHWIRE ALUMINUM CO.	Statutory	09/26/2016	2016	Protective
04	KY	GREEN RIVER DISPOSAL, INC.	Statutory	09/29/2016	2016	Short-Term Protective
04	KY	SMITH'S FARM	Statutory	09/22/2016	2016	Short-Term Protective
04	MS	FLOWOOD SITE	Statutory	08/31/2016	2016	Short-Term Protective
04	NC	FCX, INC. (STATESVILLE PLANT)	Policy	08/18/2016	2016	Protective
04	NC	FLANDERS FILTERS INC	Policy	09/26/2016	2016	Protective
04	NC	BARBER ORCHARD	Policy	09/21/2016	2016	Protectiveness Deferred
04	NC	CAPE FEAR WOOD PRESERVING	Policy	09/22/2016	2016	Short-Term Protective
04	NC	CELANESE CORP. (SHELBY FIBER OPERATIONS)	Statutory	08/18/2016	2016	Short-Term Protective
04	NC	JADCO-HUGHES FACILITY	Policy	09/26/2016	2016	Short-Term Protective
04	SC	GOLDEN STRIP SEPTIC TANK SERVICE	Statutory	09/29/2016	2016	Protective
04	SC	ROCK HILL CHEMICAL CO.	Policy	09/29/2016	2016	Protective
04	SC	BREWER GOLD MINE	Statutory	09/21/2016	2016	Short-Term Protective
04	SC	SHURON INC.	Statutory	09/22/2016	2016	Short-Term Protective
04	TN	MURRAY-OHIO DUMP	Statutory	09/29/2016	2016	Protectiveness Deferred
04	TN	TENNESSEE PRODUCTS	Statutory	09/26/2016	2016	Short-Term Protective
04	TN	VELSICOL CHEMICAL CORP. (HARDEMAN COUNTY)	Statutory	03/31/2016	2016	Will be Protective
05	IN	LITTLE MISSISSINewa RIVER	Statutory	10/05/2015	2016	Protectiveness Deferred
05	IN	AMERICAN CHEMICAL SERVICE, INC.	Statutory	03/14/2016	2016	Short-Term Protective
05	IN	HIMCO DUMP	Statutory	03/01/2016	2016	Short-Term Protective
05	IN	LAKE SANDY JO (M&M LANDFILL)	Policy	07/14/2016	2016	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	IN	PRESTOLITE BATTERY DIVISION	Statutory	09/21/2016	2016	Short-Term Protective
05	IN	WASTE, INC., LANDFILL	Statutory	06/02/2016	2016	Short-Term Protective
05	MI	LOWER ECORSE CREEK DUMP	Statutory	01/28/2016	2016	Protective
05	MI	CHARLEVOIX MUNICIPAL WELL	Discretionary	09/06/2016	2016	Protectiveness Deferred
05	MI	AUTO ION CHEMICALS, INC.	Statutory	08/30/2016	2016	Short-Term Protective
05	MI	CLARE WATER SUPPLY	Statutory	09/16/2016	2016	Short-Term Protective
05	MI	ELECTROVOICE	Statutory	06/30/2016	2016	Short-Term Protective
05	MI	G&H LANDFILL	Statutory	04/22/2016	2016	Short-Term Protective
05	MI	J & L LANDFILL	Statutory	05/16/2016	2016	Short-Term Protective
05	MI	MASON COUNTY LANDFILL	Statutory	01/15/2016	2016	Short-Term Protective
05	MI	WASH KING LAUNDRY	Policy	09/14/2016	2016	Short-Term Protective
05	MN	EAST BETHEL DEMOLITION LANDFILL	Statutory	08/26/2016	2016	Protective
05	MN	LEHILLIER/MANKATO	Policy	06/24/2016	2016	Short-Term Protective
05	MN	MACGILLIS & GIBBS CO./BELL LUMBER & POLE CO.	Statutory	06/24/2016	2016	Short-Term Protective
05	MN	PERHAM ARSENIC SITE	Statutory	08/04/2016	2016	Short-Term Protective
05	MN	REILLY TAR & CHEMICAL CORP. (ST. LOUIS PARK PLANT)	Statutory	06/14/2016	2016	Short-Term Protective
05	MN	SOUTH ANDOVER SITE	Statutory	06/03/2016	2016	Short-Term Protective
05	OH	FORD RD IND LDFL	Statutory	08/19/2016	2016	Protective
05	OH	PRISTINE, INC.	Statutory	08/04/2016	2016	Protective
05	OH	UNITED SCRAP LEAD CO., INC.	Statutory	04/14/2016	2016	Protective
05	OH	COPLEY SQUARE PLAZA	Statutory	08/10/2016	2016	Protectiveness Deferred
05	OH	INDUSTRIAL EXCESS LANDFILL	Statutory	05/06/2016	2016	Protectiveness Deferred
05	OH	OLD MILL	Policy	09/26/2016	2016	Short-Term Protective
05	OH	SOUTH POINT PLANT	Statutory	04/14/2016	2016	Short-Term Protective
05	OH	ZANESVILLE WELL FIELD	Policy	05/13/2016	2016	Short-Term Protective
05	WI	JANESVILLE ASH BEDS	Statutory	07/25/2016	2016	Protective
05	WI	JANESVILLE OLD LANDFILL	Statutory	07/25/2016	2016	Protective
05	WI	TOMAH ARMORY	Statutory	08/11/2016	2016	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	WI	HAGEN FARM	Statutory	07/26/2016	2016	Short-Term Protective
05	WI	HUNTS DISPOSAL LANDFILL	Statutory	09/21/2016	2016	Short-Term Protective
05	WI	N.W. MAUTHE CO., INC.	Statutory	04/21/2016	2016	Short-Term Protective
05	WI	RIPON CITY LANDFILL	Statutory	07/06/2016	2016	Short-Term Protective
06	AR	ARKWOOD, INC.	Statutory	09/30/2016	2016	Short-Term Protective
06	AR	MIDLAND PRODUCTS	Policy	09/27/2016	2016	Short-Term Protective
06	AR	POPILE, INC.	Statutory	09/27/2016	2016	Short-Term Protective
06	LA	COMBUSTION, INC.	Statutory	01/14/2016	2016	Protective
06	LA	DUTCHTOWN TREATMENT PLANT	Statutory	07/21/2016	2016	Protective
06	LA	BAYOU BONFOUCA	Statutory	08/12/2016	2016	Short-Term Protective
06	LA	PETRO-PROCESSORS OF LOUISIANA, INC.	Policy	03/11/2016	2016	Short-Term Protective
06	NM	GRIGGS & WALNUT GROUND WATER PLUME	Statutory	09/29/2016	2016	Protectiveness Deferred
06	NM	HOMESTAKE MINING CO.	Policy	07/28/2016	2016	Short-Term Protective
06	NM	OUACHITA NEVADA WOOD TREATER	Statutory	08/19/2016	2016	Short-Term Protective
06	OK	COMPASS INDUSTRIES (AVERY DRIVE)	Statutory	03/25/2016	2016	Protective
06	OK	TENTH STREET DUMP/JUNKYARD	Statutory	06/15/2016	2016	Protective
06	TX	CRYSTAL CITY AIRPORT	Statutory	07/08/2016	2016	Protective
06	TX	ALCOA (POINT COMFORT)/LAVACA BAY	Statutory	07/08/2016	2016	Protectiveness Deferred
06	TX	ODESSA CHROMIUM #1	Policy	09/30/2016	2016	Protectiveness Deferred
06	TX	GULFCO MARINE MAINTENANCE	Statutory	09/21/2016	2016	Short-Term Protective
06	TX	KOPPERS CO., INC. (TEXARKANA PLANT)	Statutory	09/27/2016	2016	Short-Term Protective
06	TX	PETRO-CHEMICAL SYSTEMS, INC. (TURTLE BAYOU)	Statutory	08/19/2016	2016	Short-Term Protective
06	TX	SIKES DISPOSAL PITS	Policy	09/19/2016	2016	Short-Term Protective
06	TX	TRIANGLE CHEMICAL CO.	Policy	09/21/2016	2016	Short-Term Protective
07	IA	RAILROAD AVENUE GROUNDWATER CONTAMINATION	Policy	09/14/2016	2016	Protective
07	IA	MIDWEST MANUFACTURING/NORTH FARM	Statutory	03/18/2016	2016	Protectiveness Deferred
07	IA	RALSTON	Statutory	06/29/2016	2016	Protectiveness Deferred

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
07	IA	ELECTRO-COATINGS, INC.	Policy	09/20/2016	2015	Short-Term Protective
07	IA	PEOPLES NATURAL GAS CO.	Statutory	12/11/2015	2015	Short-Term Protective
07	KS	DOEPKE DISPOSAL (HOLLIDAY)	Statutory	12/11/2015	2016	Protective
07	KS	CHEMICAL COMMODITIES, INC.	Statutory	09/27/2016	2016	Protectiveness Deferred
07	KS	OBEE ROAD	Statutory	12/16/2015	2015	Protectiveness Deferred
07	KS	STROTHER FIELD INDUSTRIAL PARK	Statutory	09/27/2016	2016	Protectiveness Deferred
07	MO	ST. LOUIS AIRPORT/HAZELWOOD INTERIM STORAGE/FUTURA COATINGS CO.	Statutory	05/17/2016	2016	Will Be Protective
07	NE	HASTINGS GROUND WATER CONTAMINATION	Statutory	09/27/2016	2016	Protectiveness Deferred
07	NE	OGALLALA GROUND WATER CONTAMINATION	Policy	09/22/2016	2016	Protectiveness Deferred
08	CO	BRODERICK WOOD PRODUCTS	Statutory	09/29/2016	2016	Not Protective
08	CO	MARSHALL LANDFILL	Policy	09/27/2016	2016	Protective
08	CO	SMELTERTOWN SITE	Statutory	12/29/2015	2015	Protective
08	MT	SILVER BOW CREEK/BUTTE AREA	Statutory	08/30/2016	2016	Protectiveness Deferred
08	MT	EAST HELENA SITE	Statutory	09/26/2016	2016	Will be Protective
08	MT	MILLTOWN RESERVOIR SEDIMENTS	Statutory	09/29/2016	2016	Will be Protective
08	ND	MINOT LANDFILL	Statutory	09/27/2016	2016	Protective
08	UT	KENNECOTT (SOUTH ZONE)	Statutory	05/06/2016	2015	Not Protective
08	UT	OGDEN RAILROAD YARD	Statutory	09/29/2016	2016	Protective
08	UT	PETROCHEM RECYCLING CORP./EKOTEK PLANT	Statutory	09/23/2016	2016	Protective
08	UT	UTAH POWER & LIGHT/AMERICAN BARREL CO.	Policy	09/23/2016	2016	Protective
09	AZ	HASSAYAMPA LANDFILL	Statutory	09/26/2016	2016	Protective
09	AZ	INDIAN BEND WASH AREA	Policy	09/29/2016	2016	Protectiveness Deferred
09	AZ	MOTOROLA, INC. (52ND STREET PLANT)	Statutory	09/27/2016	2016	Protectiveness Deferred
09	CA	SAN GABRIEL VALLEY (AREA 1)	Statutory	09/30/2016	2016	Not Protective
09	CA	UNITED HECKATHORN CO.	Statutory	08/08/2016	2016	Not Protective
09	CA	ATLAS ASBESTOS MINE	Statutory	09/21/2016	2016	Protective
09	CA	COALINGA ASBESTOS MINE	Statutory	09/21/2016	2016	Protective
09	CA	INTEL CORP. (SANTA CLARA III)	Policy	08/04/2016	2016	Protective
09	CA	PACIFIC COAST PIPE LINES	Policy	08/22/2016	2016	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
09	CA	WESTINGHOUSE ELECTRIC CORP. (SUNNYVALE PLANT)	Statutory	08/23/2016	2016	Protective
09	CA	AEROJET GENERAL CORP.	Policy	09/22/2016	2016	Protectiveness Deferred
09	CA	SAN GABRIEL VALLEY (AREA 4)	Statutory	09/29/2016	2016	Protectiveness Deferred
09	CA	SELMA TREATING CO.	Statutory	09/19/2016	2016	Protectiveness Deferred
09	CA	BROWN & BRYANT, INC. (ARVIN PLANT)	Statutory	09/08/2016	2016	Short-Term Protective
09	CA	COAST WOOD PRESERVING	Statutory	09/15/2016	2016	Short-Term Protective
09	CA	PURITY OIL SALES, INC.	Statutory	09/22/2016	2016	Short-Term Protective
09	CA	STRINGFELLOW	Statutory	09/15/2016	2016	Short-Term Protective
09	CA	LAVA CAP MINE	Statutory	08/25/2016	2016	Will be Protective
10	ID	BUNKER HILL MINING & METALLURGICAL COMPLEX	Statutory	11/16/2015	2016	Will be Protective
10	OR	MCCORMICK & BAXTER CREOSOTING CO. (PORTLAND PLANT)	Statutory	09/28/2016	2016	Short-Term Protective
10	OR	NORTHWEST PIPE & CASING/HALL PROCESS COMPANY	Statutory	09/28/2016	2016	Short-Term Protective
10	WA	SPOKANE JUNKYARD/ASSOCIATED PROPERTIES	Policy	09/20/2016	2016	Protective
10	WA	OESER CO.	Statutory	09/02/2016	2016	Short-Term Protective

^a Explanations of terms used in this table are included in Attachment 3.

Non-Federal Facility FYRs Not Yet Complete				
Region	State	Site Name	FYR Type	Fiscal Year Due
04	KY	AIRCO	Statutory	2016
04	KY	B.F. GOODRICH	Statutory	2016
08	CO	ASARCO, INC. (GLOBE PLANT)	Statutory	2014
08	CO	CENTRAL CITY, CLEAR CREEK	Statutory	2014
08	MT	MONTANA POLE AND TREATING	Statutory	2016
08	MT	UPPER TENMILE CREEK MINING AREA	Statutory	2013
10	OR	UNITED CHROME PRODUCTS, INC.	Policy	2016

Attachment 2

FY 2016 Superfund Five-Year Review Report to Congress FYRs at Federal Facility Sites

Federal Facility FYRs Completed in FY16						
Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	MA	FORT DEVENS-SUDBURY TRAINING ANNEX	Statutory	09/26/2016	2016	Short-Term Protective
01	MA	MATERIALS TECHNOLOGY LABORATORY (USARMY)	Statutory	03/28/2016	2016	Protectiveness Deferred
02	NJ	NAVAL AIR ENGINEERING CENTER	Statutory	07/26/2016	2016	Protective
02	NJ	PICATINNY ARSENAL (USARMY)	Statutory	08/24/2016	2016	Short-term Protective
02	NY	SENECA ARMY DEPOT	Statutory	08/30/2016	2016	Protective
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	Statutory	08/09/2016	2016	Will be protective
03	MD	FORT GEORGE G. MEADE	Statutory	09/30/2016	2016	Protective
03	MD	ANDREWS AIR FORCE BASE	Statutory	05/17/2016	2016	Protectiveness Deferred ^c
03	MD	BRANDYWINE DRMO	Statutory	05/24/2016	2016	Short-Term Protective ^d
03	VA	NORFOLK NAVAL SHIPYARD	Statutory	08/10/2016	2016	Short-Term Protective
03	VA	LANGLEY AIR FORCE BASE/NASA LANGLEY RESEARCH CENTER	Statutory	09/29/2016	2016	Will be Protective
03	WV	WEST VIRGINIA ORDNANCE (USARMY)	Statutory	09/23/2016	2016	Short-Term Protective
04	FL	JACKSONVILLE NAVAL AIR STATION	Statutory	03/01/2016	2016	Short-Term Protective
04	FL	WHITING FIELD NAVAL AIR STATION	Statutory	09/29/2016	2016	Protectiveness Deferred
04	GA	MARINE CORPS LOGISTICS BASE	Statutory	09/26/2016	2016	Short-Term Protective
04	GA	ROBINS AIR FORCE BASE (LANDFILL #4/SLUDGE LAGOON)	Statutory	06/28/2016	2016	Short-Term Protective
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	10/21/2015	2016	Short-Term Protective
05	IL	SANGAMO ELECTRIC DUMP/CRAB ORCHARD NATIONAL WILDLIFE REFUGE (USDOI)	Statutory	06/30/2016	2016	Short-Term Protective
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	Statutory	09/09/2016	2016	Short-Term Protective
05	OH	MOUND PLANT (USDOE)	Statutory	09/16/2016	2016	Short-Term Protective
05	OH	WRIGHT-PATTERSON AIR FORCE BASE	Statutory	12/09/2015	2016	Protectiveness Deferred ^b
06	LA	LOUISIANA ARMY AMMUNITION PLANT	Statutory	09/19/2016	2016	Protective
06	TX	LONE STAR ARMY AMMUNITION PLANT	Statutory	09/30/2016	2016	Protectiveness Deferred ^c
07	IA	IOWA ARMY AMMUNITION PLANT	Statutory	03/10/2016	2016	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
07	MO	WELDON SPRING QUARRY/PLANT/PITS (USDOE/ARMY)	Statutory	09/30/2016	2016	Short-Term Protective ^b
08	CO	ROCKY MOUNTAIN ARSENAL (USARMY)	Statutory	09/28/2016	2016	Protectiveness Deferred ^b
09	AZ	WILLIAMS AIR FORCE BASE	Statutory	09/30/2016	2016	Protectiveness Deferred ^b
09	CA	ALAMEDA NAVAL AIR STATION	Policy	09/29/2016	2016	Protective
09	CA	EDWARDS AIR FORCE BASE	Statutory	09/22/2016	2016	Protective
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)	Statutory	08/10/2016	2016	Protective
09	CA	CONCORD NAVAL WEAPONS STATION	Statutory	09/21/2016	2016	Short-Term Protective
09	CA	GEORGE AIR FORCE BASE	Statutory	09/30/2016	2016	Short-Term Protective
09	CA	CONCORD NAVAL WEAPONS STATION	Statutory	09/30/2016	2016	Protectiveness Deferred
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)	Statutory	09/21/2016	2016	Protectiveness Deferred
09	CA	RIVERBANK ARMY AMMUNITION PLANT	Statutory	09/29/2016	2016	Protectiveness Deferred ^b
10	AK	FORT WAINWRIGHT	Statutory	09/29/2016	2016	Protectiveness Deferred ^b
10	ID	IDAHO NATIONAL ENGINEERING LABORATORY (USDOE)	Statutory	02/08/2016	2016	Will be Protective
10	WA	NAVAL UNDERSEA WARFARE ENGINEERING STATION (4 WASTE AREAS)	Statutory	02/11/2016	2016	Short-Term Protective

^a Explanations of terms used in this table are included in Attachment 3.

^b EPA did not concur on the draft FYR report as provided by the federal agency and issued an independent finding of the protectiveness of the remedy.

- Region 5, Wright Patterson Air Force Base, EPA issued an independent finding of protectiveness deferred because additional information is needed to make a final protectiveness determination.
- Region 7, Weldon Spring Quarry/Plant/Pits Site, EPA issued an independent finding of short term protectiveness and in order for the remedy to be protective in the long term, institutional controls need to be in place for the groundwater.
- Region 8, Rocky Mountain Arsenal, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding ecological risks at the site.
- Region 9, Riverbank Army Ammunition Plant, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding offsite contaminated groundwater.
- Region 9, Williams Air Force Base, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding the potential presence of perfluorinated compounds source area.
- Region 10, Ft Wainwright, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding human health exposure through the vapor intrusion and drinking water pathways. The Army needs to collect additional data regarding the potential presence of 1,4 dioxane and the per-and poly fluoroalkyl substances (PFAS) in the groundwater.

^c EPA did not receive a FYR report and issued an independent finding of the protectiveness of the remedy.

- Region 3, Andrews Air Force Base, EPA issued an independent finding of protectiveness deferred because there was not enough information to determine the protectiveness of the remedies.

- Region 6, Lone Star Army Ammunition Site, EPA issued an independent finding of protectiveness deferred because additional information is needed on the institutional controls and the restoration of the groundwater.

^dRegion 3, Brandywine DRMO Yard, EPA received a draft report from the Air Force. Because the report was not finalized by the statutory due date, EPA issued an independent finding of short term protectiveness which concurred with the Air Force's determination of protectiveness.

Federal Facility FYRs Not Yet Complete				
Region	State	Site Name	FYR Type	Fiscal Year Due
10	ID	MOUNTAIN HOME AIR FORCE BASE	Policy	2016
10	OR	UMATILLA ARMY DEPOT (LAGOONS)	Statutory	2015
10	WA	BANGOR NAVAL SUBMARINE BASE	Statutory	2016
10	WA	BANGOR ORDNANCE DISPOSAL (USNAVY)	Policy	2016
10	WA	JACKSON PARK HOUSING COMPLEX (USNAVY)	Statutory	2016

Attachment 3

FY 2016 Superfund Five-Year Review Report to Congress Explanation of Terms Used in Attachments 1 and 2

For all sites that require a five-year review, a separate protectiveness determination is generally made for each portion or operable unit (OU) of the site. The determination that is considered "least protective" is used as the general determination for the review in this report. For example, if one operable unit is protective but another operable unit has protectiveness deferred, the determination for the entire review will be protectiveness deferred.

Protective: The remedy is protective of human health and the environment in the short- and long-term.

Short-Term Protective: The remedy is protective of human health and the environment in the short-term. This statement is generally used when the remedy is currently protective but requires further actions or institutional controls to remain protective in the long-term.

Will Be Protective: The remedy is expected to be protective of human health and the environment upon completion, and in the interim, exposure pathways that could result in unacceptable risks are being controlled. This statement is generally used for remedies that are under construction.

Protectiveness Deferred: The determination cannot be made until further information is obtained. Generally, reviews that include this determination identify both the actions and timeframe necessary to obtain the information, so that a protectiveness determination can be made through a future addendum to the five-year review report.

Not Protective: The remedy is not protective of human health and/or the environment. For example, a new exposure pathway may be identified or a remedy may not be able to meet a new cleanup level. Generally, reviews that include this determination identify actions that need to be taken to ensure protectiveness.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 27 2017

OFFICE OF THE ADMINISTRATOR
SCIENCE ADVISORY BOARD

The Honorable Shelley Moore Capito
United States Senate
Washington, D.C. 20510

Dear Senator Capito:

Thank you for your letter of July 27, 2017, regarding membership appointments to the Clean Air Scientific Advisory Committee (CASAC) and compliance with Section 109(d)(2) of the Clean Air Act.

Section 109(d)(2) of the Clean Air Act specifies that the CASAC be composed of seven members including at least one member of the National Academy of Sciences, one physician, and one person representing State air pollution control agencies. In the Federal Register Notice (82 FR 29077-29079) published on June 27, 2017, the agency sought nominations of experts to serve on the CASAC who are physicians and members of the National Academy of Sciences with expertise in the health effects of air pollution. The SAB Staff Office published the List of Candidates for CASAC on August 28, 2017, requesting public comments by September 18, 2017.

The SAB Staff Office is reviewing the scientific credentials of the expert nominees received, as well as public comments on the nominees, and will develop recommendations for the Administrator's consideration and decision. In accordance with the CASAC authorizing statute and the Federal Advisory Committee Act, the appointed committee must include a balance of scientific expertise and experiences as they relate to criteria air pollutants.

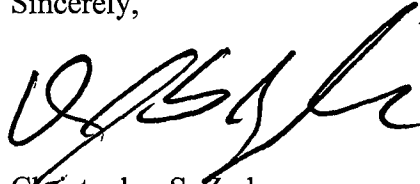
Regarding your concern about CASAC fulfilling all of its statutory obligations, in a letter to the EPA Administrator dated June 26, 2014, the CASAC stated that they would be receptive to a request from the EPA to review EPA analyses of "adverse public health, welfare, social, economic, or energy effects which may result from various strategies for attainment and maintenance of such national ambient air quality standards." In response to such a request from the agency and separate from the standard-setting process, the SAB Staff Office would form an *ad hoc* CASAC panel to obtain the full expertise necessary to conduct such a review. To date, the CASAC has not received any such requests from the agency.



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Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Christina Moody in the EPA's Office of Congressional and Intergovernmental Relations at moody.christina@epa.gov or (202) 564-0260.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Zarba', written in a cursive style.

Christopher S. Zarba
Director
Science Advisory Board Staff Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 27 2017

OFFICE OF THE ADMINISTRATOR
SCIENCE ADVISORY BOARD

The Honorable Michael Rounds
United States Senate
Washington, D.C. 20510

Dear Senator Rounds:

Thank you for your letter of July 27, 2017, regarding membership appointments to the Clean Air Scientific Advisory Committee (CASAC) and compliance with Section 109(d)(2) of the Clean Air Act.

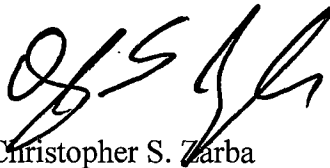
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Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Christina Moody in the EPA's Office of Congressional and Intergovernmental Relations at moody.christina@epa.gov or (202) 564-0260.

Sincerely,

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Christopher S. Zarba
Director
Science Advisory Board Staff Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 27 2017

OFFICE OF THE ADMINISTRATOR
SCIENCE ADVISORY BOARD

The Honorable John Barrasso
United States Senate
Washington, D.C. 20510

Dear Senator Barrasso:

Thank you for your letter of July 27, 2017, regarding membership appointments to the Clean Air Scientific Advisory Committee (CASAC) and compliance with Section 109(d)(2) of the Clean Air Act.

Section 109(d)(2) of the Clean Air Act specifies that the CASAC be composed of seven members including at least one member of the National Academy of Sciences, one physician, and one person representing State air pollution control agencies. In the Federal Register Notice (82 FR 29077-29079) published on June 27, 2017, the agency sought nominations of experts to serve on the CASAC who are physicians and members of the National Academy of Sciences with expertise in the health effects of air pollution. The SAB Staff Office published the List of Candidates for CASAC on August 28, 2017, requesting public comments by September 18, 2017.

The SAB Staff Office is reviewing the scientific credentials of the expert nominees received, as well as public comments on the nominees, and will develop recommendations for the Administrator's consideration and decision. In accordance with the CASAC authorizing statute and the Federal Advisory Committee Act, the appointed committee must include a balance of scientific expertise and experiences as they relate to criteria air pollutants.

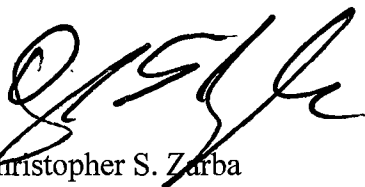
Regarding your concern about CASAC fulfilling all of its statutory obligations, in a letter to the EPA Administrator dated June 26, 2014, the CASAC stated that they would be receptive to a request from the EPA to review EPA analyses of "adverse public health, welfare, social, economic, or energy effects which may result from various strategies for attainment and maintenance of such national ambient air quality standards." In response to such a request from the agency and separate from the standard-setting process, the SAB Staff Office would form an *ad hoc* CASAC panel to obtain the full expertise necessary to conduct such a review. To date, the CASAC has not received any such requests from the agency.



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Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Christina Moody in the EPA's Office of Congressional and Intergovernmental Relations at moody.christina@epa.gov or (202) 564-0260.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Zarba', written over the printed name.

Christopher S. Zarba
Director
Science Advisory Board Staff Office

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United States Senate

COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS

WASHINGTON, DC 20510-6175

RICHARD M. RUSSELL, MAJORITY STAFF DIRECTOR
GABRIELLE BATKIN, MINORITY STAFF DIRECTOR

July 27, 2017

The Honorable Scott Pruitt
Administrator
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington D.C. 20460

Dear Administrator Pruitt:

You have begun a proceeding to solicit nominations for the Clean Air Scientific Advisory Committee (CASAC).¹ As you review nominations, we request that you also revisit past CASAC practices to make them compliant with the statute.

Established by Section 109(d)(2) of the Clean Air Act, CASAC is to provide independent scientific advice to the Administrator regarding the development of National Ambient Air Quality Standards (NAAQS). The independent, seven-member body is to include diverse perspectives, notably one member of the National Academy of Sciences, one physician, and a representative of State air pollution control agencies. CASAC is statutorily required to provide information to the Administrator regarding:

- (i) Areas in which additional knowledge is required to appraise the adequacy and basis of existing, new, or revised NAAQS;
- (ii) Research efforts necessary to provide the required information;
- (iii) The relative contribution to air pollution concentrations of natural as well as anthropogenic activity; and
- (iv) Any adverse public health, welfare, social, economic, or energy effects which may result from various strategies for attainment and maintenance of NAAQS.

In the past, CASAC has failed to address these required statutory obligations. With regard to item (iv) above, a 2015 Government Accountability Office report² concluded that "CASAC has never provided advice on adverse social, economic, or energy effects related to NAAQS because EPA has never asked CASAC to do so." Additionally, in comments on the 2015 ozone NAAQS proposal,³ the States of Alabama, Indiana, Mississippi, North Dakota, West Virginia, and

¹ Environmental Protection Agency (EPA), Request for Nominations of Candidates to the EPA's Clean Air Scientific Advisory Committee (CASAC) and the EPA Science Advisory Board (SAB); 82 Fed. Reg. 29077 (June 27, 2017), available at: <https://www.gpo.gov/fdsys/pkg/FR-2017-06-27/pdf/2017-13332.pdf>.

² Government Accountability Office, "EPA's Science Advisory Board: Improved Procedures Needed to Process Congressional Requests for Scientific Advice" (June 2015), available at: <http://www.gao.gov/assets/680/670647.pdf>.


³ States of Alabama, Indiana, Mississippi, North Dakota, West Virginia and Wyoming on 79 Fed. Reg. 75234 (December 17, 2015), Docket ID No. EPA-HQ-OAR-2008-0699 (March 17, 2015), available at <https://www.regulations.gov/document?D=EPA-HQ-OAR-2008-0699-2570>.


Wyoming identified failures of CASAC to address both item (iv) and issues concerning background ozone, required by item (iii). The comments highlighted unique background ozone issues faced by Western states.


As you review 2017 nominations for CASAC members, we request that you put measures in place to ensure that moving forward, CASAC complies with these statutory obligations. CASAC must be constituted of experts who can provide independent counsel to you in all of the above areas.

Please direct further communication on these issues to Elizabeth Horner of the Committee's staff at 202-224-6176.

Sincerely,


John Barrasso, M.D.
Chairman


Shelley Moore Capito
Chairman
Subcommittee on Clean Air &
Nuclear Safety


M. Michael Rounds
Chairman
Subcommittee on Superfund, Waste
Management and Regulatory Oversight